

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please enter TMC 5/3/04
Listing of Claims:

Claims 1-6 (cancelled)

Claim 7 (currently amended) ~~The method of claim 5, wherein said cell is labeled by transfecting said cell with a DNA molecule encoding said~~ A method of monitoring at least one cell or tissue in a biological system comprising:

- a) providing said biological system comprising said at least one cell or tissue;
 - b) labeling said at least one cell or tissue with at least one apo metal binding protein;
 - c) providing conditions which permit said at least one apo metal binding protein to emit a signal;
 - d) observing or measuring the signal; and
 - e) monitoring said at least one cell or tissue based on the signal observed or measured;
- wherein the cell is labeled by introducing into said cell a DNA molecule encoding said at least one apo metal binding protein.

Claims 8-13 (cancelled)

Claim 14 (currently amended) ~~The method of claim 7, wherein said protein is labeled by preparing a fusion protein with said protein and~~ A method of monitoring at least one cell or tissue in a biological system comprising:

- a) providing said biological system comprising said at least one cell or tissue;
 - b) labeling said at least one cell or tissue with at least one apo metal binding protein;
 - c) providing conditions which permit said at least one apo metal binding protein to emit a signal;
 - d) observing or measuring the signal; and
 - e) monitoring said at least one cell or tissue based on the signal observed or measured;
- wherein the cell is labeled by introducing into said cell a DNA molecule encoding a fusion protein comprising at least one apo metal binding protein.

Claims 15-16 (cancelled)